



Auto Ref/
Keratometers

Digital
Refractors

Exam Lanes
& Furniture

Slit Lamps

Lensmeters

Acuity
Charts

Perimeters

INTRODUCING THE NEW

VISUAL FIELD ANALYZER

SK-850A

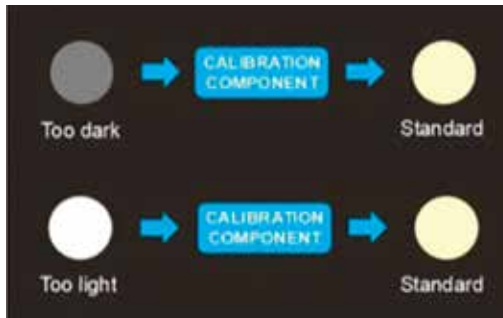


**FULL
COMPLIANCE
WITH THE
GOLDMAN
STANDARD**



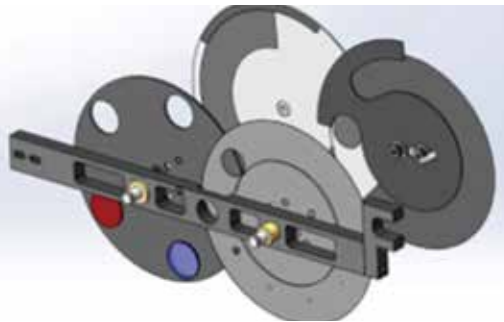
STANDARD OPTICAL DESIGN

Built with an optical design system to ensure the projection stimulus is fully compliant with the international standards on every aspect.



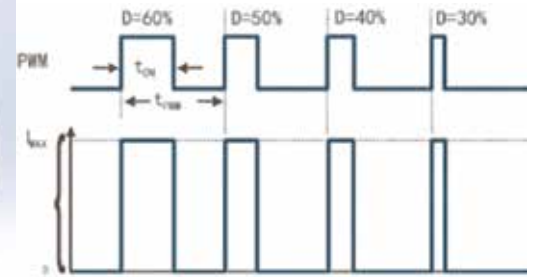
Brightness Measuring & Auto-Calibration

Self-check when the perimeter is powered on, adjusting brightness to make sure the initial projection brightness is in standard range.



Stable Light Source

Single light source design with PWM technology to control the original brightness, resulting in more stable light and color temperature.



Standard Brightness Control

The perimeter uses two optical coating films allowing the transmittance level to change, by combining their positions to obtain the 0-51db standard spot brightness. This controls the spot color using a standard color filter ensuring that the spot color temperature accurately stimulates specific cone cells.

RELIABILITY OF THE REPORT

Perfect, comprehensive monitoring design, accurate detection of the tester cooperation condition to ensure the reliability of the report.



3-Dimensional Fixation Monitoring

Using automated optical focusing, infrared light is projected from three directions, X-Y-Z, to the pupil, and if the pupil position changes up/down, left/right, or forward/backward, it can be automatically tracked.



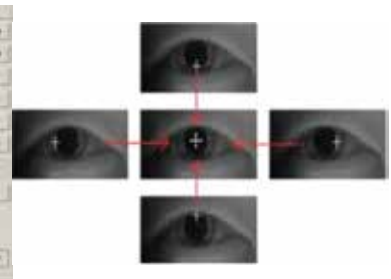
Trial lens frame with infrared projection point

3-D monitoring is also possible when using frames.



Head Tracking

This accurately determines the head position before and after distance change. If the head is out of range, an alarm pops timely.

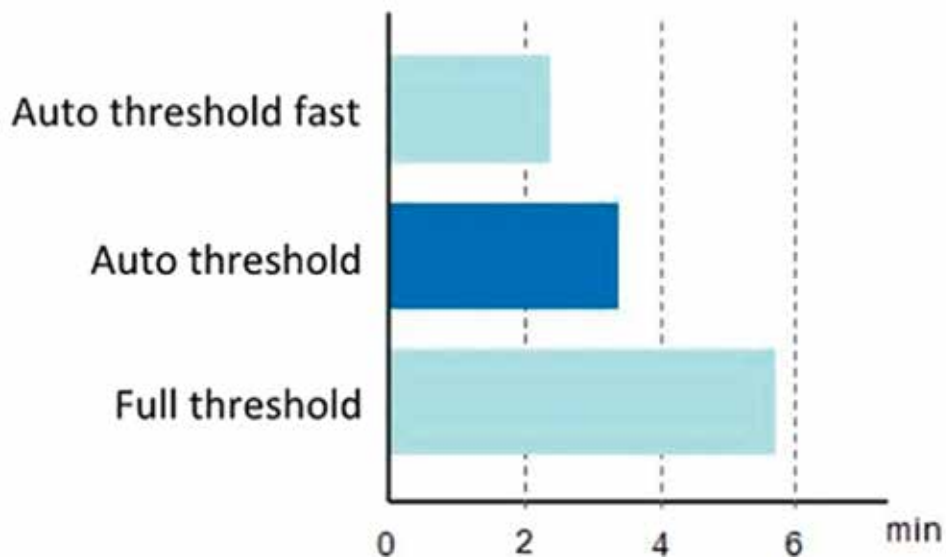


Gaze Tracking

The computer can adjust the chin rest to track pupil movement, and significantly eliminate the interference due to patient gaze displacement.

PRECISE & RAPID MEDICAL STRATEGY

Inspection strategy designed to take full consideration of different age groups, responsiveness, visual field defects, and distribution of field island.

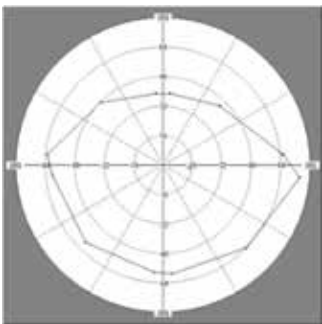


COMPREHENSIVE INSPECTION PROCESS

Threshold Test Procedures: Macula, 10-2, 24-2, 30-2, 60-4, nasal ladder

All Threshold Detection Procedures: C40, C64, C67, C80, C88, P60, nasal ladder, FF81, FF120, FF135, FF246, FF102

Special Detection Procedures: Driver field test, driver monocular, driver binocular, upper half 36, upper half 64, blue and yellow detection



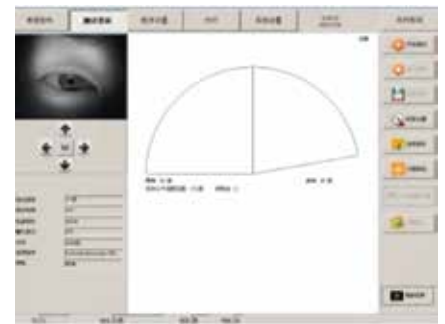
Kinetic (SK-850AE only)

Standard programs, static procedures, dark procedures, blind spot procedures, custom kinetic. Stimulation speed 1-9 degrees/s adjustable.



SWAP (SK-850AE only)

Through the optical lens to obtain the standard color temperature spot and background light. Accurately simulate the blue cone cells to help doctors accurately check the early glaucoma.



Esterman Monocular 150

Kinetic mode detects horizontal field of view for the purpose of a driving test, and is highly accurate and fast.

SK-850A

VISUAL FIELD ANALYZER

SPECIFICATIONS

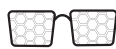
Parameter \ Model	SK-850A Standard with Touch Screen System	SK-850 Expert with Touch Screen System
DB Value Range	0 - 51db	
Stimulus Size	Goldman III	Goldman I II III IV V
Stimulus Intensity	0 - 10,000asb	
Projection Surface	Aspherical surface	
Test Mode	Static Test, Custom Static Test, Monocular 150° Visual Field (Kinetic)	Static Test, Custom Static Test, Custom Kinetic Test, Kinetic Test Monocular 150° Visual Field (Kinetic)
Stimulus Color	White	White, Red, Blue
Brightness Control	Change optical progressive lens to control projection brightness	
Max Measurement Range	90°	
Testing Distance	300mm	
Pupil Measurement	Automatic Pupil Measurement	
Background Brightness	White 31.5 asb	White 31.5 asb, Yellow 31.5 asb
Background Color	White	White, Yellow
Patients Reflection Time	System default & auto-adaption	
Fixation Motor	Real-time Blind Spot Monitoring, Gaze Monitoring, Digital Eye Movement Tracking, Head Position Monitoring, Gaze Curve Tracking	
Fixation System	Heiji/Krakau Blind Spot Monitoring, Eye Movement Monitoring, Gaze Tracking	
Chinrest Movement	Auto chinrest tracking	
Stimulus Initialization Calibration	Self-automatic measurement and calibration during the initializing procedure	
Light Source	Halogen lamp	



DIAGNOSTICS



SURFACING



COATING



FINISHING



CONSUMABLES



SERVICE

